

DAVID ANGELES ALBORES, PH.D.

✉ davidangelesalbores@gmail.com

🌐 LinkedIn

🌐 <https://dangeles.github.io/>

EDUCATION

- 2013–2018 PH.D., Biochemistry and Molecular Biophysics,
California Institute of Technology
- 2009–2013 B.A., *cum laude*, Computational and Molecular Biology
Cornell University

APPOINTMENTS

- 06/2024 – Present CO-FOUNDER, CEO, The Organogenesis and Tissue Replacement Lab
We develop genetic and biomedical engineering approaches toward building solid organs.
- 07/2020 – Present VISITING SCHOLAR, Northwestern University
Study the effects of pheromone signaling on lifespan, healthspan, and reproductive behavior in *C. elegans* in collaboration with Ilya Ruvinsky.
- 01/2022 – 05/2024 SR COMPUTATIONAL SCIENTIST, Altos Labs
One of the first scientists hired. Worked on reprogramming translational projects, developing software for Perturb-seq, RNA-seq, ATAC-seq, and multiomics analysis. Led the matrixed team that developed the first brightfield-to-transcriptome AI model.
- 03/2021 – 01/2022 SENIOR SCIENTIST I, Rheos Medicines
Designed multimodal genomics strategies to stratify drug responders in precision immunometabolism. Company ceased operations in 2022.
- 11/2019 – 03/2021 COMPUTATIONAL BIOLOGIST II, eGenesis
Engineered pig promoters and characterized safe harbor loci resistant to epigenetic silencing. Work contributed to the first pig-to-human kidney transplant, reported in the *New York Times*.
- 01/2019 – 11/2019 POSTDOCTORAL ASSOCIATE, MIT
Lab of Eric J. Alm
Developed methods to recover individual species' transcriptomes from meta-transcriptomic sequencing of synthetic microbial communities, without requiring molecular barcoding.

RESEARCH PUBLICATIONS

† indicates equal contribution.

The Workshop for Developmental Biology, Clubes de Ciencias was taught and developed by me.

1. Yu, X. A.; McLean, C.; Hehemann, J.-H.; ANGELES-ALBORES, D.; Wu, F.; Muszyński, A.; Corzett, C. H.; Azadi, P.; Kujawinski, E. B.; Alm, E. J.; Polz, M. F. *The ISME Journal* 2024, 18, wrad013.
2. Albright, A. R.; ANGELES-ALBORES, D.; Marshall, W. *bioRxiv* 2023, DOI: 10.1101/2023.01.09.523364.
3. Anand, R. P. et al. *Nature* 2023, 622, 393–401.
4. ANGELES-ALBORES, D.; Aprison, E. Z.; Dzitoyeva, S.; Ruvinsky, I. *Molecular Biology and Evolution* 2023, 40, msad119.
5. Aprison, E. Z.; Dzitoyeva, S.; ANGELES-ALBORES, D.; Ruvinsky, I. *Proceedings of the National Academy of Sciences* 2022, 119, e2015576119.

6. Duncan, E. M.; Nowotarski, S. H.; Guerrero-Hernández, C.; Ross, E. J.; D’Orazio, J. A.; f. D. B. Clubes de Ciencia México, W.; McKinney, S.; McHargue, M. C.; Guo, L.; McClain, M.; Alvarado, A. S. *Developmental Biology* 2022, 489, 165–177.
7. Basta, D. W.; ANGELES-ALBORES, D.; Spero, M. A.; Ciemniecki, J. A.; Newman, D. K. *Proceedings of the National Academy of Sciences of the United States of America* 2020, 117, 4358–4367.
8. ANGELES-ALBORES, D.; N. Lee, R. Y.; Chan, J.; Sternberg, P. W. *microPublication Biology* 2018, DOI: 10.17912/W25Q2N.
9. ANGELES-ALBORES, D.; Sternberg, P. W. *Genetics* 2018, 210, 15–24.
10. ANGELES-ALBORES[†], D.; Puckett Robinson[†], C.; Williams, B. A.; Wold, B. J.; Sternberg, P. W. *Proceedings of the National Academy of Sciences* 2018, 115, E2930–E2939.
11. ANGELES-ALBORES[†], D.; Leighton[†], D. H. W.; Tsou, T.; Khaw, T. H.; Antoshechkin, I.; Sternberg, P. W. *G3 (Bethesda, Md.)* 2017, 7, 2969–2977.
12. ANGELES-ALBORES, D.; N. Lee, R. Y.; Chan, J.; Sternberg, P. W. *BMC Bioinformatics* 2016, 17, 366.
13. Albores-Saavedra, J.; Chable-Montero, F.; ANGELES-ALBORES, D.; Schwartz, A.; Klimstra, D. S.; Henson, D. E. *American Journal of Clinical Pathology* 2011, 135, 637–642.
14. Albores-Saavedra, J.; Schwartz, A. M.; Henson, D. E.; Kostun, L.; Hart, A.; ANGELES-ALBORES, D.; Chablé-Montero, F. *Annals of Diagnostic Pathology* 2011, 15, 93–97.

PATENTS

1. ANGELES-ALBORES, D.; Arbelo-Gonzalez, W., et al. Patent Application, Patent Application, Altos Labs, 2024.
2. Layer, J.; Qin, W., et al. Cells, tissues, organs, and animals having one or more modified genes for enhanced xenograft survival and tolerance, Patent, eGenesis, 2021.

AWARDS

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| 2020 | eGenesis Leadership Award, for outstanding work in bringing single-cell RNA-seq to eGenesis |
| 2019 | HHMI Hanna Gray Fellow Finalist |
| 2015 | Florence C. Rose and S. Meryl Rose Endowed Scholarship, to attend the MBL Embryology course |
| 2014 | Amgen Graduate Student Fellowship, to perform research with Paul Sternberg |
| 2012 | EXROP Capstone Award, awarded to perform research with Susan Lindquist |
| 2011 | EXROP HHMI Summer Fellowship, awarded to work with David Baker |